

Notice of Allowability

Application No.

10/027,384

Applicant(s)

WHITE ET AL.

Examiner

Stephan F. Willett

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/4/06.
2. ☒ The allowed claim(s) is/are 1-16, 18, 21 and 22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

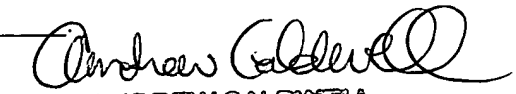
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date See Continuation Sheet
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date Attached
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


ANDREW CALDWELL
SENIOR PATENT EXAMINER

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 10/4/06.

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DETAILED ACTION

Examiner's Amendment

1. Authorization for this Examiner's amendment was given in a telephonic interview with Mr. Adair on 10/24/06, & 10/30/06. (AC)

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IN THE CLAIMS:

1. (Currently amended) A method for cache management and regeneration of dynamically-generated locale-sensitive content ("DGLSC") in one or more server computers within a client-server computer network, comprising the steps of:

receiving a first request for a web page content from a first user at a client computer via a web browser;

determining said first user's locale preference with an automatic locale detection algorithm, wherein a locale corresponds to at least a geographic region;

dynamically generating ~~said requested~~ a first set of content for the requested web page from a template as a first DGLSC based on said first user's locale preference;

receiving a second request for the web page from a second user having a second user's locale preference;

dynamically generating a second set of content for the requested web page from the template as a second DGLSC based on the second user's locale preference instead of the first DGLSC;

if said template is marked as cacheable to indicate that content generated from said template should be cached;

generating a first locale-sensitive filename for said first DGLSC based on said first user's locale preference and associating said first DGLSC with said first locale-sensitive filename;

generating a second locale-sensitive filename for said second DGLSC based on said second user's locale preference and associating said second DGLSC with said second locale sensitive filename;

 caching said first DGLSC in at least one server computer in a locale-sensitive directory to be served in response to subsequent requests having the same locale preference as the first user's locale preference and caching the second DGLSC in the locale-sensitive directory to be served in response to subsequent requests having the same locale preference as the second user's locale preference; and

 serving said first DGLSC to said first user at said client computer; and
 serving said second DGLSC to said second user.

2. (Currently Amended) The method of Claim 1, wherein said first locale-sensitive filename comprises coded information associated with said first user's locale preference.

3. (Currently Amended) The method of Claim 1, wherein said first locale-sensitive filename comprises metadata arranged in an encoded format, said metadata representing a detected locale.

4. (Currently Amended) The method of Claim 1, wherein said first locale-sensitive filename comprises one or more attributes, said one or more attributes designating language, territory, type of encoding, type of sorting, locale origin, sort order, or a combination thereof.

5. (Previously Presented) The method of Claim 1, further comprising managing metadata associated with said template.

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6. (Previously Presented) The method of Claim 1, further comprising creating and storing said template.

7. (Currently Amended) The method of Claim 1, further comprising regenerating said first DGLSC and said second DGLSC upon one or more changes to said template.

8. (Currently Amended) A software product embodied in a computer-readable medium carrying program instructions comprising instructions executable by a processor to:

receive a first request for a web page ~~content~~ from a first user at a client computer via a web browser;

determine said first user's locale preference with an automatic locale detection algorithm wherein a locale corresponds to at least a geographic region;

dynamically generate said ~~requested-content~~ for the requested web page from a template as a first dynamically-generated locale-sensitive content ("DGLSC") based on said first user's locale preference;

receive a second request for the web page from a second user having a second user's locale preference;

dynamically generate a second set of content for the requested web page from the template as a second DGLSC based on the second user's locale preference instead of the first DGLSC; and

if said template is marked as cacheable to indicate that content generated from said template should be cached;

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generate a first locale-sensitive filename for said first DGLSC based on said first user's locale preference and associate said first DGLSC with said first locale-sensitive filename;

generate a second locale-sensitive filename for said second DGLSC based on said second user's locale preference and associate said second DGLSC with said second locale sensitive filename;

cache said first DGLSC in at least one server computer in a locale-sensitive directory to be served in response to subsequent requests having the same locale preference as the first user's locale preference and cache the second DGLSC in the locale-sensitive directory to be served in response to subsequent requests having the same locale preference as the second user's locale preference.

9. (Currently Amended) A computer system comprising a processor in communication with a computer readable medium carrying programming instructions, said programming instructions comprising instructions executable to:

receive a first request for a web page content from a first user at a client computer via a web browser;

determine said first user's locale preference with an automatic locale detection algorithm wherein a locale corresponds to at least a geographic region;

dynamically generate said ~~requested~~ content for the requested web page from a template as a first dynamically-generated locale-sensitive content ("DGLSC") based on said first user's locale preference;

receive a second request for the web page from a second user having a second user's locale preference;

dynamically generate a second set of content for the requested web page from the template as a second DGLSC based on the second user's locale preference instead of the first DGLSC; and

if said template is marked as cacheable to indicate that content generated from said template should be cached;

generate a first locale-sensitive filename for said first DGLSC based on said first user's locale preference and associate said first DGLSC with said first locale-sensitive filename;

generate a second locale-sensitive filename for said second DGLSC based on said second user's locale preference and associate said second DGLSC with said second locale sensitive filename;

cache said first DGLSC in at least one server computer in a locale-sensitive directory to be served in response to subsequent requests having the same locale preference as the first user's locale preference and cache the second DGLSC in the locale-sensitive directory to be served in response to subsequent requests having the same locale preference as the second user's locale preference.

10. (Currently Amended) A method for cache management and regeneration of dynamically-generated locale-sensitive content in a client-server computer network, comprising the steps of:

receiving a first request for content corresponding to a web page from a first user at a client computer in said client-server computer network;

receiving a second request for the content corresponding to the web page from a second user;

determining said first user's locale, wherein a locale corresponds to at least a geographic region;

determining said second user's locale;

determining if a first locale-sensitive version of the content requested by the first user corresponding to the first user's locale is cached and if not: a caching status of said content requested by said user; and

~~if said content requested by said user is not cached and is marked as cacheable;~~

dynamically generating a first locale-sensitive version of the content based on said first user's locale and in accordance with said first request;

dynamically generating a first locale-sensitive filename for said first locale-sensitive version of the content based on said first user's locale;

caching said first locale-sensitive version of the content under the first locale-sensitive file name in a locale-sensitive directory; and

~~caching said locale-sensitive content under the locale-sensitive filename~~

serving said first locale-sensitive version of the content to said first user;

determining if a second locale-sensitive version of the content requested by the second user corresponding to the second user's locale is cached and if not:

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dynamically generating a second locale-sensitive version of the content based on said second user's locale and in accordance with said second request;

dynamically generating a second locale-sensitive filename for said second locale-sensitive version of the content based on said second user's locale;

caching said second locale-sensitive version of the content under the second locale-sensitive file name in a locale-sensitive directory; and

serving said second locale-sensitive version of the content to said second user.

11. (Currently Amended) The method of Claim 10, further comprising the steps of:

if said content requested by said first user is already cached under said first locale-sensitive filename,

retrieving said first locale-sensitive version of the content from a locale-specific cache directory, and

serving said first locale-sensitive version content to said user.

12. (Currently Amended) The method of Claim 10, further comprising the steps of:

determining the first locale sensitive version of the content should be cached from a template from which the first locale sensitive version of the content is generated.

~~if said content requested by said user is not cached and is not marked as
cacheable,~~

~~dynamically generating said content requested by said user,
caching said content, and
serving said content to said user.~~

13. (Currently Amended) The method of Claim 10, wherein the step of caching said first locale-sensitive version of the content under said first locale-sensitive filename comprises the step of caching said first locale-sensitive version of the content under said first locale-sensitive filename in at least one server computer having a locale-specific cache directory.

14. (Currently Amended) The method of Claim 10, wherein said first locale-sensitive filename comprises coded information associated with said first user's locale.

15. (Currently Amended) The method of Claim 10, wherein said first locale-sensitive filename comprises metadata arranged in an encoded format, said metadata representing said first user's locale.

16. (Currently Amended) The method of Claim 10, said first locale-sensitive filename comprises one or more attributes, said one or more attributes designating language, territory, type of encoding, type of sorting, locale origin, sort order, or a combination thereof.

17. Cancel

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18. (Currently) The method of Claim 13, further comprising regenerating said first locale-sensitive version of the content upon one or more changes to said first locale-sensitive version of the content.

19-20 Cancel

21 (New) A software product embodied in a computer-readable medium carrying program instructions comprising instructions executable by a processor to:

receive a first request for content corresponding to a web page from a first user at a client computer in said client-server computer network;

receive a second request for the content corresponding to the web page from a second user;

determine said first user's locale, wherein a locale corresponds to at least a geographic region;

determine said second user's locale;

determine if a first locale-sensitive version of the content requested by the first user corresponding to the first user's locale is cached and if not:

dynamically generate a first locale-sensitive version of the content based on said first user's locale and in accordance with said first request;

dynamically generate a first locale-sensitive filename for said first locale-sensitive version of the content based on said first user's locale;

cache said first locale-sensitive version of the content under the first locale-sensitive file name in a locale-sensitive directory; and

serve said first locale-sensitive version of the content to said first user;

determine if a second locale-sensitive version of the content requested by the second user corresponding to the second user's locale is cached and if not:

 dynamically generate a second locale-sensitive version of the content based on said second user's locale and in accordance with said second request;

 dynamically generate a second locale-sensitive filename for said second locale-sensitive version of the content based on said second user's locale;

 cache said second locale-sensitive version of the content under the second locale-sensitive file name in a locale-sensitive directory; and

 serve said second locale-sensitive version of the content to said second user.

22. (New) A computer system comprising a processor in communication with a computer readable medium carrying programming instructions, said programming instructions comprising instructions executable to:

 receive a first request for content corresponding to a web page from a first user at a client computer in said client-server computer network;

 receive a second request for the content corresponding to the web page from a second user;

 determine said first user's locale, wherein a locale corresponds to at least a geographic region;

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determine said second user's locale,

determine if a first locale-sensitive version of the content requested by the first user corresponding to the first user's locale is cached and if not:

dynamically generate a first locale-sensitive version of the content based on said first user's locale and in accordance with said first request;

dynamically generate a first locale-sensitive filename for said first locale-sensitive version of the content based on said first user's locale;

cache said first locale-sensitive version of the content under the first locale-sensitive file name in a locale-sensitive directory; and

serve said first locale-sensitive version of the content to said first user;

determine if a second locale-sensitive version of the content requested by the second user corresponding to the second user's locale is cached and if not:

dynamically generate a second locale-sensitive version of the content based on said second user's locale and in accordance with said second request;

dynamically generate a second locale-sensitive filename for said second locale-sensitive version of the content based on said second user's locale;

cache said second locale-sensitive version of the content under the second locale-sensitive file name in a locale-sensitive directory; and

serve said second locale-sensitive version of the content to said second user.

Drawings

1. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the text in Figures 1 and 3 is unreadable. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Allowable Subject Matter

1. Claims 1-16, 18, 21-22 are allowed.

1. The following is an examiner's statement of reasons for allowance: independent claim(s) 1, 8, 9, 10, 21, and 22 teach receiving a first web page request, determining the user's locale preference, dynamically generating first content based on the user's locale preference, receiving a second request from a second user having a second locale preference, dynamically generating second content based on the second locale preference, if the template used to generate the content is marked cacheable then generating and caching first and second locale-sensitive filenames associated with the first and second content and/or if the first and second locale-sensitive filename is not cached, respectively, and serving the second content in response to subsequent requests with the same user's locale preference.

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2. The closest prior art of record, McBrearty and Flom, does not teach caching first and second locale-sensitive filenames. Therefore, independent claims 1, 8, 9, 10, 21, and 22 are allowable over the prior art.

3. Claims 2-7, 11-16, 18 are allowed by the same rational as well as the further limitations added by these dependent claims.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephan Willett whose telephone number is (571)272-3890. The examiner can normally be reached Monday through Friday from 8:00 AM to 6:00 PM.

3. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell, can be reached on (571)272-3868. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

4. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-2100.

sfw

October 30, 2006


ANDREW CALDWELL
SUPERVISOR
PRIMARY PATENT EXAMINER